

P ***Eschscholzia californica***

Common Name(s)

California Poppy

How Used

M

	Chemical Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	(-)-ALPHA-CANADINE	Root	--	129		
0	(-)-ALPHA-CANADINE-METHOHYDROXIDE	Root	--	129		
0	(-)-CARYACHINE	Shoot	--	--		
0	(-)-NORARGEMONINE	Root	--	50		
0	10-HYDROXYCHELERYTHRINE	Tissue Culture	--	4		
0	10-HYDROYSANGUINARINE	Tissue Culture	--	50.5		
0	12-HYDROXYCHELIRUBINE	Tissue Culture	--	137		
0	2',4'-DIHYDROXY-7-METHOXYSOFLAVONE	Plant	--	--		
0	2'-METHOXYFORMONONETIN	Plant	--	--		

	Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	ALKALOIDS	Plant	600	2900	-0.36042893415216604		
0	ALKALOIDS	Root	--	27000	0.39810177676101866		
5	ALLOCRYPTOPINE	Seed	--	--			
5	ALLOCRYPTOPINE	Plant	--	--			
5	ALLOCRYPTOPINE	Root	--	--			
5	ALLOCRYPTOPINE	Shoot	--	260			
3	ALPHA-ALLOCRYPTOPINE	Root	--	--			
0	ALPHA-CANADINE	Plant	--	--			
0	ALPHA-HOMOHELIDONINE	Plant	--	--			
1	ANTHERAXANTHIN	Flower	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.	
130	BERBERINE	Shoot	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer- Verlag, Berlin, 1969-1979.	
1	BETA-HOMOHELIDONINE	Plant	--	--			
47	BETA-SITOSTEROL	Plant	--	--			
0	BISNORARGEMONINE	Root	--	80			
0	BISNORARGEMONINE	Plant	--	--			
0	BISNORARGEMONINE	Shoot	--	--			

	Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	CALIFORNIDINE	Root	42	46.5			
0	CALIFORNIDINE	Shoot	--	1900			
0	CALIFORNIDINE	Plant	--	--			
0	CALIFORNINE	Shoot	--	130			
33	CHELERYTHRINE	Seed	--	--			
33	CHELERYTHRINE	Tissue Culture	4	100			
33	CHELERYTHRINE	Plant	--	--			
33	CHELERYTHRINE	Shoot	--	--			
33	CHELERYTHRINE	Leaf	--	--			
33	CHELERYTHRINE	Root	--	--			
0	CHELILUTINE	Root	--	--			
0	CHELILUTINE	Tissue Culture	--	--			
0	CHELILUTINE	Shoot	--	--			
3	CHELIRUBINE	Tissue Culture	--	11.5			
3	CHELIRUBINE	Root	--	--			
3	CHELIRUBINE	Shoot	--	--			
0	CHOLESTROL	Plant	--	--			
14	CODEINE	Plant	--	--			

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
3	COPTISINE	Root	--	--		
3	COPTISINE	Stem	--	--		
3	COPTISINE	Leaf	--	--		
6	CORYDINE	Shoot	--	--		
3	CORYTUBERINE	Shoot	--	6		
1	CRYPTOCAVINE	Plant	--	--	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
1	CRYPTOPINE	Shoot	--	--		
0	DIHYDROCHELERYTHRINE	Tissue Culture	--	--		
0	DIHYDROCHELILUTINE	Tissue Culture	--	--		
0	DIHYDROCHELIRUBINE	Tissue Culture	--	19.6		
0	DIHYDROMACARPINE	Tissue Culture	--	27		
0	DIHYDROSANGUINARINE	Tissue Culture	--	4.3		
0	DIHYDROSANGUINARINE	Plant	--	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.	
0	DL-CHEILANTHIFOLINE	Plant	--	--		

	Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	ESCHOLAMIDINE	Shoot	--	20			
0	ESCHOLIDINE	Root	422	791			
0	ESCHOLINE	Root	--	--			
0	ESCHOLININE	Root	116	186			
0	ESCHSCHOLTZIDINE	Plant	--	11			
0	ESCHSCHOLTZIDINE	Root	2500	2500		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
0	ESCHSCHOLTZINE	Flower	--	150.4			
0	ESCHSCHOLTZINE	Seed	--	--			
0	ESCHSCHOLTZINE	Plant	--	--			
0	ESCHSCHOLTZINE	Shoot	--	300			
0	ESCHSCHOLTZINE-N-OXIDE	Flower	--	203.5			
0	ESCHSCHOLTZIONE	Plant	--	--			
0	ESCHSCHOLTZXANTHIN	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
0	ESCOLZINE	Shoot	--	--			
0	ESHOLINE	Root	--	143			
0	FAT	Seed	468000	468000	1.0672320312291166	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
7	FUMARIC-ACID	Plant	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
4	FUMARINE	Plant	--	--	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
10	GLAUCINE	Plant	--	--		
9	HCN	Root	--	--	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
0	HUNNEMANINE	Plant	--	--		
0	IONIDINE	Plant	--	--		
5	ISOCORYDINE	Shoot	--	--		
0	LAUROSCHOLTZINE	Seed	--	--		
0	LAUROSCHOLTZINE	Shoot	--	--		
0	MACARPINE	Tissue Culture	7	23		
0	MACARPINE	Shoot	--	--		
11	MAGNOFLORINE	Shoot	--	--		
11	MAGNOFLORINE	Root	--	93		
22	MORPHINE	Plant	--	--		
0	N-METHYL-LAUROTETANINE	Shoot	--	80		
0	NORARGEMONINE	Shoot	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	NORISOARGEMONINE	Shoot	--	--		
0	NORSANGUINARINE	Plant	--	--		
0	O-MEHTYL-CARYACHINE	Shoot	--	--		
0	O-METHYL-CARATACHEINE	Plant	--	--		
0	O-METHYLCARIACHINE	Shoot	--	--		
0	PROTEIN	Seed	250000	250000	0.14414237103378544	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
24	PROTOPINE	Shoot	30	150		
24	PROTOPINE	Seed	--	--		
24	PROTOPINE	Root	--	--		
24	PROTOPINE	Plant	--	--		
44	QUERCITRIN	Plant	--	--		
87	RUTIN	Inflorescence	--	--		
87	RUTIN	Flower	5000	50000	0.01608811490970148	
48	SANGUINARINE	Stem	--	--		
48	SANGUINARINE	Plant	--	--		
48	SANGUINARINE	Tissue Culture	1.4	60		
48	SANGUINARINE	Root	--	--		
48	SANGUINARINE	Shoot	--	--		

	Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
48	SANGUINARINE	Leaf	--	--			
48	SANGUINARINE	Seed	--	--			
0	SANGUIRITRINE	Root	--	--			
7	SUCCINIC-ACID	Root	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
1	TRIGLOCHININ	Leaf	--	--			
2	VIOLAXANTHIN	Plant	--	--			
2	VIOLAXANTHIN	Flower	--	--			
3	XANTHOPHYLL	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
5	ZEAXANTHIN	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	